

# Idaho State Police Forensic Services

## CERTIFICATE OF ANALYSIS/APPROVAL

The Idaho State Police Forensic Services (ISPFS) hereby certifies and approves Alcohol Simulator Solution **Lot Number 18803** (a product manufactured by REPCO Marketing, Inc.) to be used to conduct performance verification checks within the State of Idaho in accordance with the analytical methods, policies and/or procedures promulgated by the Department governing breath alcohol examinations. ISPFS also approves of the manufacturer of this solution (REPCO Marketing, Inc.) to provide Alcohol Simulator Solution **Lot Number 18803** in the State of Idaho. This lot has a target value of 0.080 with a range of 0.072 to 0.088 grams of ethyl alcohol/210 liters of vapor.

The expiration date for this lot number is on October 17th, 2020 at 11:59 PM.

Date Volatiles Analysis Discipline Leader

STATE OF IDAHO )

STATE OF IDAHO ) ss. County of Kootenai)

On this 30<sup>th</sup> day of November, in the year 2018, before me Hym a State Office, a notary public, <u>Jeremy Johnston</u> personally appeared, known to me to be the person whose name is subscribed to the within instrument as a Forensic Scientist for the Idaho State Police Forensic

Services, and acknowledged to me that he executed the same as such Scientist.

\_Notary Public

My Commission Expires: SLOT. 8, 2022

LYNN A HIGDEM COMMISSION #42862 NOTARY PUBLIC STATE OF IDAHO Raw data from analysis: LOT #18803

Analyst: JJ	Bottle #2	sample #1	a b	Raw 0.0962 0.0952	1 0 0057	overall mean:
		sample #2	a b	0.0970 0.0950	1 0 0960	
Analyst: JG	Bottle #4	sample #1	a b	0.0973 0.0974	1 0 0073	overall mean: 0.0977
		sample #2	a b	0.0981 0.0981	0.0981	

average of all raw data:

0.0967875

alcohol content conversion with 1.23:

3: **0.078689** 

with 1.21:

0.07999

Target value from provider:

0.0961 +/- 3% range 0.098983

0.093217

0.08 +/- 3% range 0.0824 0.0776

RepCo Marketing Co 3101-188 Stony Brook Drive Raleigh, NC 27604 888-828-0227

### **CERTIFICATE OF ANALYSIS**

MANUFACTURER AND SUPPLIER: RepCo Marketing Co.

LOT NUMBER: 18803

**EXPIRATION DATE: October 17, 2020** at 11:59 p.m.

RepCo Marketing Co. certifies the following:

RepCo Marketing Co. prepared, tested and supplied Lot Number 18803 of Alcohol Certified Solution for simulators. This solution was manufactured and tested by RepCo Marketing Co., with confirmation by accredited institution, Data Resources Inc., using NIST standards. Random samples were analyzed by Data Resources Inc. utilizing a gas chromatograph and found to contain \_.0958 \_\_gms/dl +/-.003 gms/dl wt/vol ethanol (95% Confidence).

The alcohol and distilled water used in the solution were found to be free of any interfering substance.

This solution will produce a vapor alcohol value of .080 +/-3% gms/210L breath when heated to 34 Degrees Celsius +/-0.2 Degrees Celsius in a simulator (95% Confidence).

The date of manufacture for this lot number is October 18, 2018 The expiration date for this lot number is October 17, 2020 at 11:59 p.m.

This document is a true representation of the original Certificate of Analysis.

Alma Palmer, Operations Manager RepCo Marketing Co.





DATA RESOURCES INC 1410 ST ANDREWS RD - STE 200 COLUMBIA SC 29210 BUS: 803-561-0331 FAX: 803-561-0536

**PROJECT** 

: ETHANOL ASSAY -- LOT #18803

CREATED ON

: 10/30/2018

REPORT TO

: REPCO MARKETING

Alma Palmer

3101-188 Stonybrook Drive

Raleigh NC 27604

ORDER ID:

181030X101

**CUSTOMER ID** 

: REPCO

JOB ID

**EPA REGULATION: NON REGULATORY EPA COMPLIANCE: NON COMPLIANT** 

THANK YOU FOR CHOOSING DATA RESOURCES, INC. AS YOUR SOURCE FOR QUALITY LABORATORY SERVICES. DATA RESOURCES, INC. STRIVES TO PROVIDE UNPARALLELLED SERVICE AND SUPPORT REGARDING YOUR SAMPLE ANALYSIS REQUIREMENTS. DATA RESOURCES, INC. PROVIDES TECHNICAL EXPERTISE, PROJECT MANAGEMENT SKILLS, CUSTOMER SUPPORT, AND ACCURATE TEST RESULTS.

PLEASE TAKE A MOMENT TO REVIEW THE FOLLOWING DATA PACKAGE.

ON THE FOLLOWING PAGES YOU WILL FIND GENERAL REFERENCE INFORMATION ABOUT THE DATA PRESENTED IN THIS ANALYSIS REPORT. THIS INFORMATION AND MORE CAN BE FOUND ON OUR WEBSITE AT HTTP://DATARESOURCESINC.COM

Bruce E. Watt

Project Manager, Data Resources Inc

Bruce E Watt

Laboratory Director, Data Resources Inc - Columbia



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FOR ORGANIZATIONAL PURPOSES THE FOLLOWING DATA PACKAGE IS DIVIDED INTO SECTIONS AS LISTED BELOW:

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ANALYTICAL DATA -- PERFORMED BY DATA RESOURCES

2 7 CHAIN-OF-CUSTODY and SAMPLE RECEIPT RECORDS

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# SAMPLE CONTAINER MANIFEST

DATA RESOURCES INC 1410 ST ANDREWS RD - STE 200 COLUMBIA SC 29210 BUS: 803-561-0331

FAX: 803-561-0536

**PROJECT** 

: ETHANOL ASSAY -- LOT #18803

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: 2018-10-30

REPORT TO

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Alma Palmer

3101-188 Stonybrook Drive Raleigh NC 27604

ORDER ID:

181030X101

CUSTOMER ID JOB ID

: REPCO :72

**EPA REGULATION: NON REGULATORY** EPA COMPLIANCE: NON COMPLIANT

		ELA COMILIANOL. NON COMILIANI								
SITE										
L	****									
BTL 1										
	CONTAINER ID	COLLECTION TIMESTAMP	QTY	MATRIX	C/G	CONTAINER: DESCRIPTION	ON SIZE	PRESERVATIVE HOLDING		
	104030	2018-10-19	1	FIGUID	GRAB	Plastic	500 mL	NONE		
SITE	***************************************		innedakne saamikadi en olimone enere ekikolo							
BTL 2							······································			
	CONTAINER ID	COLLECTION TIMESTAMP	QTY	MATRIX	C/G	CONTAINER: DESCRIPTION TYPE SIZE PRESERVAT		PRESERVATIVE HOLDING		
	104031	2018-10-19	1	LIQUID	GRAB	Plastic 500 mL		NONE		
SITE	**************************************		amele arker in termine versions							
INHOU	SE @ 100 mg/d	L								
	CONTAINER ID	COLLECTION TIMESTAMP	QTY	MATRIX	C/G	CONTAINER DESCRIPTION	DN SIZE	PRESERVATIVE HOLDING		
	0	2018-10-19	1	LIQUID	GRAB	Plastic	500 mL	NONE		

ACCESS THIS INFORMATION ONLINE:

Go to http://DataResourcesInc.com and choose the menu option "CUSTOMER LOGIN"

DocID: DM1540919073 PAGE: 1 of 8



PERFORMED AT: DR - COLUMBIA CERTIFICATION: SCDHEC: 40569

DATA RESOURCES INC 1410 ST ANDREWS RD - STE 200 COLUMBIA SC 29210

BUS: 803-561-0331 FAX: 803-561-0536

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: 72 JOB ID

EPA REGULATION: NON REGULATORY EPA COMPLIANCE: NON COMPLIANT

						LINO	OM LIMIOL	. 11011	001111 2		
SITE							CONTAINER: DE	ESCRIPTION	V		
	MATRIX	C/G	COLLECTION TIMESTA	MP	CONTAINER ID	QTY	TYPE		SIZE	PRESERVATIV	E HOLDING
BTL 1											
	LIQUID	GRAB	2018-10-19			1	Plastic		500 mL	NONE	
	TEST						PRIORITY	METHOD			
	ETHANO	L ASSA	Y				Normal	CUSTOM			
		PARA	METER				LIMITHI	PQL	DIL	UTON	UNIT
		L	ANALYSIS TIMESTAMP [AGED]		RESULT	QUAL	LIMIT LO	MDL	INS	TRUMENT	ANALYST
		ETHA	NOL REPLICATE 1				NA		1		mg/dL
			2018-10-25	[6.00 days]	96.160		NA				bewatt
		ETHA	NOL REPLICATE 2				NA		1		mg/dL
			2018-10-25	[6.00 days]	96.363		NA				bewalt
		ETHAN	NOL REPLICATE 3				NA		1		mg/dL
			2018-10-25	[6.00 days]	96.131		NA				bewalt
		ETHAN	NOL AVERAGE				NA		1		mg/dL
			2018-10-25	[6.00 days]	96.218		NA				bewatt



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									***************************************		
SITE	MATRIX	C/G	COLLECTION TIMEST	AMP	CONTAINER ID	QTY	CONTAINER: D	ESCRIPTIO	N SIZE	PRESERVA	TIVE HOLDING
BTL 2	LIQUID	GRAB	2018-10-19			1	Plastic		500 mL	NONE	
	TEST		···				PRIORITY	METHOD			
	ETHANC	NOL ASSAY					Normal	CUSTOM			
		PARAMETER ANALYSIS TIMESTAMP [AGED]			RESULT	QUAL	LIMIT HI LIMIT LO	PQL MDL		ITON FRUMENT	UNIT ANALYST
		ETHAI	NOL REPLICATE 1 2018-10-25	[6.00 days]	95.599		NA NA		1		mg/dL bewatt
		ETHA	NOL REPLICATE 2 2018-10-25	[6.00 days]	95.268		NA NA		1		mg/dL bewalt
		ETHA	NOL REPLICATE 3 2018-10-25	[6.00 days]	95.848		NA NA		1		mg/dL bewatt
		ETHA	NOL AVERAGE 2018-10-25	[6.00 days]	95.572		NA NA		1		mg/dL bewatt

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**CUSTOMER ID** 

: REPCO

JOB ID : 72

**EPA REGULATION: NON REGULATORY** EPA COMPLIANCE: NON COMPLIANT

SITE	*****************************						CONTAINER: DE	SCRIPTION	V		
	MATRIX	C/G	COLLECTION TIMESTA	MP	CONTAINER ID	QTY	TYPE		SIZE	PRESERVATI	VE HOLDING
INHOUSE @ 100	0 mg/dL										
	LIQUID	GRAB	2018-10-19			1	Plastic		500 mL	NONE	
	TEST						PRIORITY	METHOD			
	ETHANO	DL ASSAY					Normal	CUSTOM			
		PARAMETER				***************************************	LIMITHI	PQL.	DILU	TON	UNIT
		ANALYSIS TIMESTAMP [AGED]		RESULT	QUAL	LIMITLO	MDL	INST	RUMENT	ANALYST	
		ETHA	ETHANOL REPLICATE 1				NA		1		mg/dL
			2018-10-25	[6.00 days]	99.299		NA				bewatt
		ETHA	NOL REPLICATE 2				NA		1		mg/dL
			2018-10-25	[6.00 days]	98.565		NA				bewatt
		ETHA	NOL REPLICATE 3				NA		1		mg/dL
			2018-10-25	[6.00 days]	98.414		NA				bewall
		ETHA	NOL AVERAGE				NA		í		mg/dL
			2018-10-25	[6.00 days]	98.759		NA				bewalt



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: REPCO : 72

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### **JOB COMMENTS:**

=> No Evidence of contamination was seen.

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#### REPORT FIELDS DEFINED:

ANALYSIS or SERVICE PERFORMED = The Requested analysis or service performed.

RESULT = The value or answer acquired from requested analysis or service performed.

BDL (Below Detection Limit) indicates result is below listed RDL.

ND (Not Detected) indicates result is below listed MDL.

< (Less than symbol) indicates that result is lower than value reported

> (Greater than symbol) indicates that result is higher than value reported

UNIT = Unit of measure.

dwb = Indentifies result value as Dry Weight Basis.

QUAL = Additional qualification on result [See DATA QUALIFIERS DEFINED section].

RDL = (Reportable Detection Limit) The lowest calibrated result achievable by stated analytical method.

MDL = (Method Detection Limit) The lowest result achievable by stated analytical method.

METHOD = The stated methodology employed for the analysis or service performed.

ANALYSIS D/T = The date and time when analysis or service was performed.

ANALYST LOCATOR= The analyst and location that performed the analysis or service. All work is performed by a division of Data Resources Inc. unless alternate certification number is provided in this field.

PRIORITY = The requested turn-around priority.

#### **DATA QUALIFIERS DEFINED:**

C = Analytical result has been confirmed with multiple analyses.

I = Estimated result, result is < RDL but > MDL.

JC = See Job Comments.

J1 = In replicate analyses surrogate recoveries (2 or more for acid fraction, 2 or more for base/neutral fraction, 1 or more for volatile fraction) were out of range but > 10%. The result is an estimated value.

J2 = In replicate analyses surrogate recoveries (2 or more for acid fraction, 2 or more for base/neutral fraction,

1 or more for volatile fraction) were out of range and < 10%. The result is an estimated value.

J3 = In replicate analyses internal standard area counts were out of range. The result is an estimated value.

OH = Holding Time expired prior to analysis

OH2 = Holding Time expired prior to re-analysis. Initial analysis was performed in holding but with estimated results. M1 = The MS %R is outside acceptable control limits. However, MS/MSD RPD is in acceptable control limits.

2:1 = The BOD reported result failed to meet the Two One Rule.

SC = See Sample Comments.

# 2-CHLOROETHYLVINYLETHER -vs- \*\*2-CHLOROETHYLVINYLETHER NOTED ON ANALYSIS REPORT:

Past studies show that 2-Chloroethylvinylether undergoes hydrolysis when collected in preserved (HCl to pH<2) VOC vials. SCDHEC requires a sampling protocol to involve NON-preserved VOC vials when this parameter is needed. To provide the best quality data for this parameter, DR will perform a separate analysis at an additional cost. Should you request this parameter and only provide preserved VOC vials, the analysis of this parameter will be performed and the parameter identity prefixed with \*\* to identify this potential issue occurring.

#### AROCHLOR RESULTS:

PAGE: 6 of 8

Any positive Arochlor result would require analysis for total PCB as decachlorobiphenyl by method 508A (MCL = 0.5 ug/L).

#### LABORATORY pH, CHLORINE, and TEMPERATURE RESULTS:

If analysis occurs in the lab in excess of 15 minutes of collection, then the result MAY NOT be used for compliance.

Go to http://DataResourcesInc.com and choose the menu option "CUSTOMER LOGIN"



DATA RESOURCES INC 1410 ST ANDREWS RD - STE 200 COLUMBIA SC 29210

BUS: 803-561-0331 FAX: 803-561-0536

SAMPLE RECEIPT RECORDS:
- CHAIN OF CUSTODY

- SAMPLE RECEIPT REVIEW

# RepCo Marketing Co.

# 3101-188 Stony Brook Drive

Raleigh, NC 27604

Phone: 919-876-5480

Fax: 919-876-5467

# Purchase Order

To:	The control of the state of the	katalah aran sejagaik ancara leje ang manan paraman menenggajajaja panjayaya pamanan			Ship To:	Company of the state of the sta			
Trans To 110 - 13000	Data Res	sources, Inc.	RepCo Marketing Co.						
Ado	iress:		Address:						
	-	Andrews Road S	uite 200		3101-188 Stony Bro	ook Drive			
Cit	y, State, Zi				City, State, Zip				
otaran room canba	material and the second	a, SC 29210			Raleigh, NC 27604				
	Date	Date Required	Terms	How Shipped	Purchase Order #	For			
******	0-19-18	ASAP	Reg.	FedEx	10192018				
Q	uantity		Description		Unit Price	Total			
1	2	Ethanol Simulat		ot #18803	45.00				
2	<del>- Chapt State of Park Has been translated in the State of State o</del>	Target Value .09	968 gms/dl	ender var grad malet skriverenden. A 2 och der tronslesse skriv state skriv, bet filt t					
3		3 Samples/Btl							
4									
5		*This lot does N	OT need you						
6		Certificate of A	enalysis.						
7									
8	delicione problem increasing for Laborator de requestro deposits providente	Thank you Bruc	e!						
9									
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12		maghana a magana a ay galah dada da magana a ay							
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17	THE RESIDENCE OF THE PROPERTY		akan ka						
18	nersjongsgene om en en en greet gevererenheiden. Vik 1 in Afri		elektrisk samme mådförstelektrisk med myrky må mm. i på pagans programmingstyretting at delektrisk fra 16,5 kg						
	от учения до до учену со учену на постанову роздену учения дель пос	Important	The second secon	PLEASE SE	ND 1 COPIE	S OF YOUR			
PUI	RCHASE C	DRDER NUMBER	RMUST	INVOICE W	ITH ORIGINAL BII	LL OF			
API	PEAR ON .	ALL INVOICES	- PACKING,	LADING.	LADING.				
ETC	** 1				had water of a substitution of the substitutio	andy the considerable many weaking the second designation of the secon			
			PURC	HASING AGE	NT: Alma Palmer				

Rec'd 10-22-18
REMANS

DociD: DM1540919073